

TITLE

**Cathodic Electrodeposition Coating Compositions
Containing Bismuth Compounds And Dicarboxylic Acids,
Production And Use Thereof**

5

ABSTRACT OF THE DISCLOSURE

Waterborne cathodic electrodeposition (CED) coating compositions comprising resin solids and optionally pigments, fillers and conventional coating additives, wherein said CED coating compositions comprise at least one bismuth compound in a quantity of 0.1 to 2.5 wt.%, calculated as bismuth and relative to resin solids content, together with at least one dicarboxylic acid selected from among acyclic dicarboxylic acids with 3 to 7 carbon atoms and dicarboxylic acids with 8 to 10 carbon atoms comprising a cyclic structural unit in a quantity of 3 to 15 equivalent-%, relative to the acid equivalents present in the CED coating composition.